

Manufacturing Method of Fluid Dynamic Pressure Bearing

Abstract

The present invention aims to prevent the occurrence of air bubbles during a filling process of oil or at a stage where a fluid dynamic pressure bearing is incorporated into a motor to be used as a bearing, thereby performing an effective degassing. Upon supplying oil through a pipe that communicates between a first vacuum chamber and a second vacuum chamber upon filling the oil, stored in the first vacuum chamber that is under a reduced pressure environment having a pressure lower than that in the surrounding environment, to the fluid dynamic pressure bearing held in the second vacuum chamber that is similarly under a reduced pressure environment having a pressure lower than that in the surrounding environment, the pressure in the first vacuum chamber is reduced to be lower than the pressure in the second vacuum chamber at the time of filling lubricating fluid.